

6th APELSO 2023 &


The 55th Annual Scientific Meeting of the Korean Society for Thoracic & Cardiovascular Surgery

"Post Pandemic, New Standards"

November 2(Thu) ~ 4(Sat), 2023 | Grand Intercontinental Seoul Parnas, Seoul, Korea



Curriculum Vitae

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Educational Background

MBBS, MRCP (UK), FHKCP, FHKAM (Medicine), FRCP (Edinburgh)

Professional Career

Service Director of Critical Care Unit, Gleneagles Hospital, Hong Kong

Director and Clinical Associate Professor, Critical Care Medicine Unit, School of Clinical Medicine, LKS Faculty of Medicine, The University of Hong Kong

Honorary Consultant, Department of Adult Intensive Care. Queen Mary Hospital, Hospital Authority

Research Field

ECPR

ECMO Education

Papers, Books, etc. presented or published by your name

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Sin WC, Ng PY, Ngai CW, Lai CKP, Chan WKR, Mok YTA. Education Curriculum on Extracorporeal Membrane Oxygenation – the Evolving Role of Simulation Training. *Advances in Extra-corporeal Perfusion Therapies*. ISBN 978-1-78984-913-4. DOI:10.5772/intechopen.76656.

Sin W.C. and Yeung P.N.P. The Use of Extracorporeal Life Support (ECLS) in Sudden Cardiac Death, Sudden Death: *Advances in Diagnosis and Treatment*. ISBN 9789811570018. Springer.

Sin W.C. et.al. Chapter 54 .Education And Training, Extracorporeal Life Support: The ELSO Red Book 6th Edition. ISBN 9780965675680

Journal publications

1. Lee WL, Ho HH, Chan KW, Hai SH, **Sin WC**, Tam CC, Lam L, Chan HW. Successful use of endothelial progenitor cell capture stents in two cases of acute coronary syndrome complicated by major bleeding episodes.. *Int J Cardiol*. 2009 May 29. (Electronic publication)
2. Ho PL, **Sin WC**, Chan JF, Cheng VC, Chan KH. Severe influenza A H7N9 pneumonia with rapid virological response to intravenous zanamivir. . *Eur Respir J*. 2014 Aug;44(2):535-7.
3. Chen Y, Chan AC, Chan SC, Chok SH, Sharr W, Fung J, Liu JH, Zhen Z, **Sin WC**, Lo CM, Tse HF, Yiu KH. .A detailed evaluation of cardiac function in cirrhotic patients and its alteration with or without liver transplantation. *J Cardiol*. 2016 Feb;67(2):140-6. doi: 10.1016/j.jjcc.2015.08.001. Epub 2015 Aug 21.
4. Ng PY, **Sin WC**, Ng AK, Chan WM. Speckle tracking echocardiography in patients with septic shock: a case control study (SPECKSS). *Crit Care*. 2016 May 14;20(1):145. doi: 10.1186/s13054-016-1327-0.
5. Pauline Yeung Ng, Chiu Cheuk Alfred Wong, Karl Young, Yin-Yee Kwong & **Wai-Ching Sin**. Complication of venovenous extracorporeal membrane oxygenation cannulation – the significance of an inferior vena cava anomaly. *Clin Case Rep*. 2016 Dec; 4(12): 1132–1134.
6. **Sin WC**, M Kwong, WSC Chan, T Wong, CW Siu. "Post-Operative ST-segment Elevation: Not a blocked coronary artery, then what?" PostOperative ST-segment elevation: not a blocked coronary artery, then what? **Sin WC**, Kwong JM, Wong TC, Kwong C, Chan C, Siu CW. *Clin Case Rep*. 2018 Feb 16;6(4):631-633. doi: 10.1002/ccr3.1116. eCollection 2018 Apr.

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7. **Sin W.C** , Karl Young. Development of extracorporeal membrane oxygenation in Hong Kong: current challenges and future development. Editorial. Hong Kong Med J. 2017 Jun;23(3):216-7.doi: 10.12809/hkmj175065.
Role: First and corresponding author
8. Ngai CW, Pauline Yeung Ng, **Sin WC**. Bicaval dual lumen cannula cannulation in adult veno-venous extracorporeal membrane oxygenation - Clinical pearls for safe cannulation. Journal of Thoracic Disease Vol 10, Supplement 5 (March 2018): Journal of Thoracic Disease.
9. Tsai NW, Leung YM, Ng PY, Liong T, Lee SF, Ngai CW, **Sin WC**, Koo J, Chan WM.
Attitudes of visitors at adult intensive care unit toward organ donation and organ support. Chin Med J (Engl). 2019 Feb 5;132(3):373-376.
10. Using research to prepare for outbreaks of severe acute respiratory infection. Mich, Vann, Pho, Yaty ,**Sin Wai Ching**..... SPRINT-SARI Investigators (SPRINT-SARI Investigators). BMJ Glob Health 2019 Feb 13;4(1):e001061.doi: 10.1136/bmjgh-2018-001061. eCollection 2019
11. Mechanical Ventilation Management during Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. An International Multicenter Prospective Cohort.
Schmidt M, Pham T, Arcadipane A, Agerstrand C, Ohshimo S, Pellegrino V, Vuylsteke A, Guervilly C, McGuinness S, Pierard S, Breeding J, Stewart C, **Ching SSW**, Camuso JM, Stephens RS, King B, Herr D, Schultz MJ, Neuville M, Zogheib E, Mira JP, Rozé H, Pierrot M, Tobin A, Hodgson C, Chevret S, Brodie D, Combes A. Am J Respir Crit Care Med. 2019 Oct 15;200(8):1002-1012. doi: 0.1164/rccm.201806-1094OC
12. **Sin SW**, Ng PY, Ngai WC, Lai PC, Mok AY, Chan RW. Simulation training for crises during venoarterial extracorporeal membrane oxygenation. J Thorac Dis 2019;11(5):2144-2152. doi: 10.21037/jtd.2019.04.54
13. Hung IFN, KC Lung, ... **Sin WC**, ... Yuen KY. Triple combination of interferon beta-1b, lopinavir-ritonavir, and ribavirin in the treatment of patients admitted to hospital with COVID-19: an open-label, randomised, phase 2 trial. Lancet. 2020 May 30;395(10238):1695-1704.
14. Alfred S K Wong, **Simon W C Sin**. Short-term mechanical circulatory support (intra-aortic balloon pump, Impella, extracorporeal membrane oxygenation, TandemHeart): a review. Ann Transl Med 2020 Jul;8(13):829. doi: 10.21037/atm-20-2171

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15. Wong K.W., Lam P.K., **Sin W.C.**, Irwin M.G. and Rainer T.H., Comparison of the Efficiency and Usability of Aerosol Box and Intubation Tent on Intubation of a Manikin Using Personal Protective Equipment: A Randomized Crossover Study, *The Journal of Emergency Medicine*. 2021
16. Abdukahil, Sheryl Ann..... **Sin Wai Ching**..... Group Author: ISARIC Clinical Characterisation (ISARIC Clinical Characterisation). COVID-19 symptoms at hospital admission vary with age and sex: results from the ISARIC prospective multinational observational study. *Infection* 2021 Oct;49(5):889-905. doi: 10.1007/s15010-021-01599-5.
17. Ng PY, Li ACC, Fang S, Lin JCR, Ip A, Chan WM, **Sin WC**, Ngai CW. Predictors of Favorable Neurologic Outcomes in a Territory-First Extracorporeal Cardiopulmonary Resuscitation Program. *ASAIO J*. 2022 Sep 1;68(9):1158-1164.
18. Ng PY, Fang S, Ip A, Chan WM, **Sin WC**, Ngai CW. Changes in patterns of extracorporeal cardiopulmonary resuscitation during the COVID-19 pandemic: an observational study. *J Thorac Dis*. 2021 Nov;13(11):6499-6501.
19. Buttock Ischemia in Venoarterial Extracorporeal Membrane Oxygenation. A Case Series. Wong, Alfred S. K.; Ma, Tammy S. K.; Chu, Ying Lun Edward; Chan, Ting Bun; **Sin, Simon W.C.** *ASAIO J*. 2022Mar11. doi: 10.1097/MAT.0000000000001713. Online ahead of print.
20. ECMO simulation training during a worldwide pandemic: The role of ECMO telesimulation. Alfred Sk Wong , Eva M Marwali , Graeme Maclaren , Mark Ogino , John Fraser , Peter Lai Chi Keung , Liza Fitria , Prieta Adriane , **Simon Wc Sin**. *Perfusion* 2022 May 11. doi: 10.1177/02676591221093868
21. Ng PY, Ip A, Fang S, ... **Sin WC**. Effect of hospital case volume on clinical outcomes of patients requiring extracorporeal membrane oxygenation: A territory- wide longitudinal observational study. *J Thorac Dis*. 2022 Jun;14(6):1802-1814.
22. Starting and Sustaining an Extracorporeal Membrane Oxygenation Program Archana V Dhar , Tracy Morrison , Ryan P Barbaro , Hergen Buscher , Steven A Conrad , Rodrigo Diaz , Joseph Deng , W Cory Ellis , James Fortenberry , Micheal Heard , Robert Hyslop , Dinis Reis Miranda , Mark Ogino , Wai Ching **Simon Sin** , Bishoy Zakhary , Graeme MacLaren. *ASAIO J* 2022 Jun 13. doi: 10.1097/MAT.0000000000001783. Online ahead of print.

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23. Ng PY, Ma TSK, Ip A, Lee MK, Ng AKY, Ngai CW, Chan WM, Siu CW, **Sin WC**. Sensitivity of ventricular systolic function to afterload during veno-arterial extracorporeal membrane oxygenation. ESC Heart Fail. 2022 Jul 1. doi: 10.1002/ehf2.13959.